

# SEQUENCE LISTING

<110> Pharmacia and Upjohn

<120> Crystallization and Structure Determination of  
Staphylococcus Aureus Nad Synthetase

<130> 268.63150101

<140> Unassigned

<141> 2001-01-30

<150> 60/179,261

<151> 2000-01-31

<160> 2

<170> PatentIn Ver. 2.1

<210> 1

<211> 282

<212> PRT

<213> S.aureus

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Lys	Arg	Ile	Asp	Ser	Ala	Glu	Glu	Ile	Met	Glu	Leu	Lys	Gln	Phe	Ile
			20					25					30		

Lys	Asn	Tyr	Val	Gln	Ser	His	Ser	Phe	Ile	Lys	Ser	Leu	Val	Leu	Gly
		35					40					45			

Ile	Ser	Gly	Gly	Gln	Asp	Ser	Thr	Leu	Val	Gly	Lys	Leu	Val	Gln	Met
	50					55					60				

Ser	Val	Asn	Glu	Leu	Arg	Glu	Glu	Gly	Ile	Asp	Cys	Thr	Phe	Ile	Ala
65					70					75					80

Val	Lys	Leu	Pro	Tyr	Gly	Val	Gln	Lys	Asp	Ala	Asp	Glu	Val	Glu	Gln
				85					90					95	

Ala	Leu	Arg	Phe	Ile	Glu	Pro	Asp	Glu	Ile	Val	Thr	Val	Asn	Ile	Lys
			100					105					110		

Pro	Ala	Val	Asp	Gln	Ser	Val	Gln	Ser	Leu	Lys	Glu	Ala	Gly	Ile	Val
		115					120					125			

TOOE TO 00000000

Leu Thr Asp Phe Gln Lys Gly Asn Glu Lys Ala Arg Glu Arg Met Lys  
 130 135 140

Val Gln Phe Ser Ile Ala Ser Asn Arg Gln Gly Ile Val Val Gly Thr  
 145 150 155 160

Asp His Ser Ala Glu Asn Ile Thr Gly Phe Tyr Thr Lys Tyr Gly Asp  
 165 170 175

Gly Ala Ala Asp Ile Ala Pro Ile Phe Gly Leu Asn Lys Arg Gln Gly  
 180 185 190

Arg Gln Leu Leu Ala Tyr Leu Gly Ala Pro Lys Glu Leu Tyr Glu Lys  
 195 200 205

Thr Pro Thr Ala Asp Leu Glu Asp Asp Lys Pro Gln Leu Pro Asp Glu  
 210 215 220

Asp Ala Leu Gly Val Thr Tyr Glu Ala Ile Asp Asn Tyr Leu Glu Gly  
 225 230 235 240

Lys Pro Val Thr Pro Glu Glu Gln Lys Val Ile Glu Asn His Tyr Ile  
 245 250 255

Arg Asn Ala His Lys Arg Glu Leu Ala Tyr Thr Arg Tyr Thr Trp Pro  
 260 265 270

Lys Ser Arg Ser His His His His His His  
 275 280

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Asp Pro Lys Gln Glu Ile Glu Asp Arg Val Asn Phe Leu Lys Gln Tyr  
 20 25 30

Val Lys Lys Thr Gly Ala Lys Gly Phe Val Leu Gly Ile Ser Gly Gly  
 35 40 45

Gln Asp Ser Thr Leu Ala Gly Arg Leu Ala Gln Leu Ala Val Glu Ser

60

His Lys Arg Gln Val Pro Ala Ser Met Phe Asp Asp Trp Trp Lys  
260 265 270

[illegible]